

ABSTRACT OF THE DISCLOSURE

An approach for establishing secure communication among multiple multicast groups using a multi-master directory is disclosed. The multi-master directory is on a per object and per attribute access controls basis. The event service nodes, which can implemented as event servers, are distributed throughout an enterprise domain. The attributes of the event service nodes include the group session key and the private keys of the event service nodes. A standardized authentication service is used to register publishers and subscribers. These publishers and subscribers can individually belong to multiple multicast groups under a readily scalable, secure network architecture.